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(face OR facial OR head) (videophone OR "view

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#### Automatic adaptation of a face model using action units forsemantic coding of videophone sequences - all 2 versions »

L Zhang - Circuits and Systems for Video Technology, IEEE Transactions ..., 1998 - ieeexplore.ieee.org

... algorithm [30], the method of tracking a face by global head motion compensation ...

proposed in [12] can be applied for locating the face in the facial image. ...

Cited by 29 - Related Articles - Web Search - BL Direct

#### Automatic face location for videophone images - all 4 versions »

D Chai, KN Ngan - TENCON'96. Proceedings. 1996 IEEE TENCON. Digital Signal ..., 1996 - ieeexplore.ieee.org

... videophone image which consists of natural head-and-shoulders ... difference values coincide

with those of the face. ... 0 Chrominance values found in facial region ...

Cited by 17 - Related Articles - Web Search

#### A robust model-based approach for 3D head tracking in video sequences - all 11 versions »

M Malciu, F Preteux - Proc. of IEEE Intl. Conf. on Automatic Face and Gesture Rec, 2000 - doi.ieeecomputersociety.org

... B. Sankur, JCA van der Lubbe, "Facial feature localization and adaptation of a generic

face model for model ... [9] F. Prêteux, M. Malciu, "3D head tracking in ...

Cited by 23 - Related Articles - Web Search

#### Automatic extraction of facial feature points for MPEG4 videophoneapplications

N Sarris, P Karagiannis, MG Strintzis - Consumer Electronics, 2000. ICCE. 2000 Digest of Technical ..., 2000 - ieeexplore.ieee.org

... framework for efficient coding of the human head and its ... to an expected symmetry within the facial area. ... I: (a) the thresholded image (c) the face region after ...

Cited by 7 - Related Articles - Web Search - BL Direct

## Synthesis of facial expressions for semantic coding of videophonesequences - all 7 versions »

M Kampmann, B Nagel - Computer Graphics International, 1998. Proceedings, 1998 - ieeexplore.ieee.org

... 2: Head rotation axes ... Using these facial features, the face model is adapted in two

steps (IO ... Here, the size of the face model and its orientation in 3D space is ...

Cited by 3 - Related Articles - Web Search

## Automatic 3-D face model adaptation for model-based coding ofvideophone sequences - all 2 versions »

M Kampmann - Circuits and Systems for Video Technology, IEEE Transactions ..., 2002 - ieeexplore.ieee.org

... and cutting the upper third of the head silhouette [Fig. ... After global adaptation,

the local adaptation adapts the face model to the estimated facial features ...

Cited by 29 - Related Articles - Web Search - BL Direct

#### Muscle modeling for facial animation in videophone coding

C Braccini, S Curinga, AA Grattarola, F Lavagetto - Robot and Human Communication, 1992. Proceedings., IEEE ..., 1992 - ieeexplore.ieee.org

http://scholar.google.com/scholar/ses q=N22/face+OR+facial+OR+bes/9/22+9/28/rid\_...&as sunhers=&as publicar/ror=&as ylo=&as ylo=20/2&as allsubj=all&bl=us&bl=(1 of 14/6/25/03 12:59:52 PM

(face OR facial OR band) (videophone OR "video phone") pose OR ocientaire - Groegle Scholar
... artificial markers on the spea-ker's face in correspondence ... The speaker's head is

modeled by means ... investigation to correlate the speaker's facial mimics to ...

Cited by 2 - Related Articles - Web Search

#### 3D videophone for virtual reality telecommunication

NAM Arif, R Komiya - Communications, 2000, ICC 2000, 2000 IEEE International ..., 2000 - jeeexplore jeee org

... for image representation in face-to-face communication. ... OF ITEMS FOR PRELIMINARY EVALUATION OF 3D VIDEOPHONE [7] No ... 3 Gesture 4 Changes of facial expression 5 ...

Cited by 1 - Related Articles - Web Search - BL Direct

#### Automatic location and tracking of the facial region in color video sequences - all 2 versions »

N Herodotou, KN Plataniotis, AN Venetsanopoulos - Signal Processing: Image Communication, 1999 - ingentaconnect.com ... and track the facial area in videophone-type sequences. ... correctly identify and select

Cited by 48 - Related Articles - Web Search

A robust real-time face tracking algorithm - all 2 versions »

RJ Qian, MI Sezan, KE Matthews - Image Processing, 1998. ICIP 98. Proceedings, 1998..., 1998 - jeeexplore jeee.org

... to correctly recognize the user's **facial** expressions, gestures ... Eleftheriadis and Jacquin proposed a .face tracking algorithm in [2]... due to a moving **head** and the ...

the facial region in ... about each object's shape, orientation, location and ...

Cited by 48 - Related Articles - Web Search

#### Automatic face segmentation in YCrCb images

S Kewei, F Xitian, C Anni, S Jingao - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - ieeexplore ieee.org

... The proposed face segmentation technique has been tested by ... The facial region was correctly detected in most ... tilting and rotation of the head, and presence of ...

Cited by 2 - Related Articles - Web Search

# [CITATION] Automatic Face Location for Videophone Images

DCKN Ngan - 1996 IEEE TENCON, Digital Signal Processing Applications: ..., 1996 - IEEE Service Center Web Search

#### MPEG-4 Facial Animation and its Application to a Videophone System for the Deaf

N Sarris, MG Strintzis - Multimedia Networking: Technology, Management and .... 2002 - books.google.com

... thus calculates the accurate 3D rigid motion of the head. ... defined a set of 68

parameters, (the Facial Animation Parameters ... be observed on a human face with respect ...

Related Articles - Web Search

#### Feature-based human face detection - all 10 versions »

KC Yow, R Cipolla - Image and Vision Computing, 1997 - Elsevier

... not trivial when the background is complex, the illumination is varied, and the

pose of the face ... The evidence for each facial feature or face group i ...

Cited by 222 - Related Articles - Web Search

#### [CITATION] Somatic features extraction for facial mimics synthesis

W Bellotto, S Curinga, P Ghelfi, F Lavagetto - Time-Varying Image Processing and Moving Object Recognition, ..., 1994 - Eisevier Science Related Articles - Web Search

#### Three dimensional facial model adaptation - all 2 versions »

N Sarris, MG Strintzis - Image Processing, 2000. Proceedings. 2000 International ..., 2000 - ieeexplore.ieee.org

... Qayedi and AF Clark, Oh algorithm for Face and Facial ... and MG Strintzis OAutomatic

Extraction of **Facial** Feature Points for MPEG4 **Videophone** Applications 0 ... Cited by 7 - Related Articles - Web Search

# ICITATIONI VR-Face: An Operator Assisted Real-Time Face Tracking System

TJ Yang - Communication and Multimedia Laboratory, Dept. of Computer ..., 1999 Cited by 7 - Related Articles - Web Search

# [CITATION] The role of vision in face-to-face and mediated communication

S Whittaker, BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Assoc Inc.

Cited by 118 - Related Articles - Web Search

#### Generalized likelihood ratio-based face detection and extraction of mouth features - all 13 versions »

C Kervrann, F Davoine, P Pérez, R Forothleimer, C ... - Pattern Recognition Letters, 1997 - Elsevier ... on 5 key frames of a QCW videophone sequence (affine ... the system succeeds to reliably extract the face as long ... approach to the detection of facial features was ...

Cited by 28 - Related Articles - Web Search - BL Direct

# Automatic interpretation and coding of face images using flexible models - all 8 versions »

A Lanitis, CJ Taylor, TF Cooles - Pattern Analysis and Machine Intelligence, IEEE Transactions .... 1997 - ieeexplore ieee.org

... variation of these parameters they interpret head move- ments ... Modeling, in which

flexible models of facial appear- ance ... for cod- ing and interpreting face images ...

Cited by 375 - Related Articles - Web Search - BL Direct

# Automatic human face modeling in model-based facial image coding

S Luo, RW King - Intelligent Information Systems, 1996., Australian and New ..., 1996 - jeeexplore.jeee.org

... method to extract contours of head, mouth and eyes and other important features

in real facial images ... and Jam As we introduce face orientation detection during ...

Cited by 3 - Related Articles - Web Search

## [PDF] Facial feature localization and adaptation of a generic face model for model-based coding - all 4 versions »

MJT Reindersaj, PJL van Beek, B Sankurb, JCA van ... - Signal Processing: Image Communication, 1995 - busin ee boun edutr ... (iii) Certain factal features are always visible. in other words head rotations

and ... visibility of eyes and mouth are precluded; similarly the face is not ...

Cited by 64 - Related Articles - View as HTML - Web Search

## Preliminary evaluation of 3D videophone for virtual realitytelecommunication

NAM Arif, R Komiya - Communications, 1999. APCC/OECC'99. Fifth Asia-Pacific ..., 1999 - ieeexplore.ieee.org

... 3D videophone is to realise pseudo natural face-to-face communication ... On the other

hand, making use of head mounted display or ... I 8 I Changes of facial expression ...

#### Web Search

#### Automatic feature extraction and face synthesis in facial image coding - all 7 versions »

FC Wu, TJ Yang, M Outhyoung - 6 thPacific Conference on Computer Graphics and Applications, 1998 - doi.ieeecs.org

... Extraction of face features is an important issue in facial image related ... arise from different illumination, head pose, facial expression, as well as ...

Cited by 3 - Related Articles - Web Search

# A Videophone for the Deaf

N Sards, D Simitiooulos, MG Strintzis - Medical Infobahn for Europe: Proceedings of MIE2000 and .... 2000 - books google.com ... and non-rigid (right) adaptation of the face model shown ... the problem of tracking the facial characteristic feature ... the rigid 3D motion of the speaker's head. ... Related Articles - Web Search

#### Face detection for image annotation - all 6 versions »

G Wei, IK Sethi - Pattern Recognition Letters, 1999 - Elsevier

... testing, we hope to refine our facial feature extraction ... cope with situations in

which the face is tilted ... we cannot handle something like significant head tilt ... Cited by 37 - Related Articles - Web Search

#### Video realistic avatar for virtual face-to-face conferencing

YJ Chang, CC Chien, YC Chen - Multimedia and Expo, 2002. ICME'02. Proceedings. 2002 IEEE ..., 2002 - ieeexplore.ieee.org ... avatar for virtual face-to-face conferencing system ... Textured Polygonal Model Assisted Facial Model Estimation ... and YC Chon, "Robust Head Pose Estimation Using ...

Cited by 3 - Related Articles - Web Search

## Hinged-case sound and vision communications terminal, in particular a video-phone - all 2 versions »

J Guichard, G Buchner, J Labat - US Patent 5,111,498, 1992 - freepatentsonline.com

... August, 1989. Hoshina, 379/53. Display terminal for a videophone, ... display screen

128 or to the front face of the ... of the speaker's body, eg, the head, occupies a ...

Cited by 10 - Related Articles - Cached - Web Search

#### Face shape extraction and recognition using 3D morphing and distance mapping - all 3 versions »

C Zhang, FS Cohen - Automatic Face and Gesture Recognition, 2000, Proceedings. .... 2000 - jeeexplore.jeee.org

... This is followed by a local adaptation of the face to the different facial features

(manually ... an operator in the image views) while keeping the pose fixed. ...

Cited by 5 - Related Articles - Web Search

## ICITATIONI MPEG-4 Compliant Tracking of Facial Features in Video Sequences

... 3-D facial pose and gaze point estimation using ... IEEE International conf on automatic

M Malciu, F Preteux - Proc. EUROIMAGE, ICAV3D, Greece, 2001 Cited by 5 - Related Articles - Web Search

## Multi-objective retrieval of object pose from video - all 5 versions »

AN Avanaki, B Hamidzadeh, F Kossentini - Proceedings of IEEE Conference on Tools with Artificial .... 2000 - doi.jeeecs.org

http://scholar.google.com/scholar/tos q=9/28face+OR+facial+OR+bend9/23+9/28rid\_Ass sunfaces-Ass publication=Ass ylo=Ass yti=2002&as alluti=allabl=auAin=(4 of 14)6/25/08 12:59-52 PM

face and gesture ... Recognition of human head orientation based on artificial ...

# Cited by 3 - Related Articles - Web Search A novel face segmentation algorithm

W Fang, L Pengfei - Info-tech and Info-net, 2001. Proceedings. ICII 2001-Beijing ..., 2001 - ieeexplore.ieee.org

... results carried out on a head-and-shoulders ... Extraction of Facial Images from Complex

Background Using ... In International Workshop on Automatic Face and Gesture ...

Cited by 2 - Related Articles - Web Search

#### Realtime face object extraction algorithm for video phone

K Hontani, T Imanaka, G Fujita, T Onoye, I ... - Circuits and Systems, 2002. APCCAS'02. 2002 Asia-Pacific ..., 2002 - ieeexplore.ieee.org

 $\dots$  can not also be employed for the mobile  ${\bf video}$   ${\bf phone},$  since they  $\dots$  aims at the

real-time extraction of a face object in ... it is not unreasonable to sup- pose that ... Related Articles - Web Search

#### Estimation of eye and mouth corner point positions in a knowledge-based - all 2 versions »

L Zhang - 1996 - citeseer,ist.psu.edu

... summary). Abstract: Automatic extraction of facial feature points ... location informations

of the face model are ... an increasing interest in head tracking algorithms ...

Cached - Web Search

#### Constructing a Videophone for the Hearing Impaired Using MPEG-4 Tools - all 8 versions »

N Sarris, MG Strintzis - 2001 - doi.ieeecs.org

... the most accurately tracked points and thus calculates the head's accurate 3D ... Estimating

nonrigid 3D facial motion. ... motions we can observe on a human face in a ...

Cited by 4 - Related Articles - Web Search - BL Direct

## Analysis and synthesis of 3-D face image sequence based onmodel-based image coding scheme with an ...

MC Park, NP Chandrasiri, T Naemura, M Kaneko, H ... - Image Processing, 1999. ICIP 99. Proceedings. 1999 ..., 1999 - ieeexplore.ieee.org

... iinport,ant when the estimation of global head motion and ... T. Takebe, "Analysis and

synthosis of facial image se ... [4] L. Zhang, "Tracking a face for knowledge ...

Cited by 2 - Related Articles - Web Search

## ... at curved surfaces with applications todynamic range compression and model-based coding of facial ... - all 3 versions »

W Blohm - Image Processing, IEEE Transactions on, 1997 - ieeexplore.ieee.org

 $\dots$  with no details visible in some facial regions result  $\dots$  is employed for determining

within the head and shoulder ... visible in all regions of the person's face. ...

Cited by 4 - Related Articles - Web Search - BL Direct

#### The Effects of Media and Task on User Performance: A Test of the Task-Media Fit Hypothesis - all 2 versions »

BE Mennecke, JS Valacich, BC Wheeler - Group Decision and Negotiation, 2000 - Springer

... Face-to-face inter- action is theorized to be ... Likewise, the videophone can convey

both verbal and nonverbal ... inch LCD monitor which displays the head and upper ...

Cited by 32 - Related Articles - Web Search - BL Direct

## Facial feature tracking for eve-head controlled human computerinterface - all 5 versions »

JGKKN Kim, RS Ramakrishna - TENCON 99. Proceedings of the IEEE Region 10 Conference, 1999 - ieeexplore.ieee.org ... techniques are desirable and head orientation must be ... D.Thanassas, E.Badique, Automatic

face location to ... [ 121 Sang-Ho Kim \*Parallel Facial Feature Tracking ... Cited by 8 - Related Articles - Web Search

Skin color detection for face localization in human-machinecommunications - all 2 versions »

D Chai, SL Phung, A Bouzerdoum - Signal Processing and its Applications, Sixth International, ..., 2001 - ieeexplore ieee org

... D. Chai and K. N. Ngan, "Locating facial region of a head-and-shoulders ... image," in Third IEEE International Conference on Automatic Face and Gesture

Inird leee International Conference on Automatic Face and Gest

Cited by 4 - Related Articles - Web Search

#### Hand and face segmentation using motion and color cues in digital image seguences - all 4 versions »

N Habili, CC Lim, A Moini. Multimedia and Expo. 2001. ICME 2001. IEEE International ..., 2001 - ieeexplore ieee.org Pagabili, CC Lim, A Moini. Multimedia and Expo. 2001. ICME 2001. ICME International ..., 2001 - ieeexplore ieee.org Pagabili, CC Lim, A Moini. Multimedia and Expo. 2001. ICME 2001

Cited by 13 - Related Articles - Web Search

A novel skin color model in YCbCr color space and its application to human face detection - all 2 versions »

SL Phung, A Bouzerdoum, D Chai - Image Processing. 2002. Proceedings. 2002 International ..., 2002 - ieeexplore.ieee.org

... will remove "spikes" connected to a facial region ... KK Pang, Adaptive skin segmentation for head and shoulder ... D. Chai and KN Noan, "Face segmentation using ...

Cited by 55 - Related Articles - Web Search

#### Simulated natural movement of a computer-generated synthesized talking head - all 3 versions »

NS Jayant, J Zhong - US Patent 5,933,151, 1999 - freepatentsonline.com

... to as "paralinguistic signals") such as facial expressions and ... is set as the

full-face frontal view ... a newscaster or videophone user, rotational head movement ...

Cited by 7 - Related Articles - Cached - Web Search

## An efficient algorithm for human face detection and facial feature extraction under different ... - all 2 versions »

KW Wong, KM Lam, WC Siu - Pattern Recognition, 2001 - Elsevier ... by approximating the shirring angle due to **head** movement. ... and I. Pitas. A novel method

... by approximating the shirring angle due to head movement. ... and I. Pitas, A novel method for automatic face segmentation, facial feature extraction ...

Cited by 58 - Related Articles - Web Search - BL Direct

## 3-D face structure extraction and recognition from images using 3-D morphing and distance mapping - all 3 versions »

C Zhang, FS Cohen, H RVSI - Image Processing, IEEE Transactions on, 2002 - ieeexplore.ieee.org

... 6. We select a set of significant facial feature points ... 31 persons that contains

four to six face images per ... 90 degrees out of the plane) in head pose (see Fig ...

Cited by 19 - Related Articles - Web Search - BL Direct

# ClearBoard: a seamless medium for shared drawing and conversation with eye contact - all 4 versions » Hishii M Kohayashi - Proceedings of the SIGCHI conference on Human factors in 1992 - portal acro org

H Ishii, M Kobayashi - Proceedings of the SIGCHI conference on Human factors in ..., 1992 - portal.acm.org ... a good idea to force users to wear awkward head-mount displays ... to draw over the image

http://scholar.google.com/scholar/ns g=%28face+OR+facial+OR+beat/929+528rid\_, Ass santhers=Ras publication=Ras ylo=Ras yli=2002Ras allustivalRel1=stell=(6 of 146/2508 1259-52 PM

of the partner's face. ... found it difficult to draw over the facial image ...

Cited by 241 - Related Articles - Web Search - BL Direct

#### Automatic construction of 3D human face models based on 2D images

LA Tang, TS Huang - ... Processing, 1996. Proceedings., International Conference on, 1996 - ieeexplore.ieee.org

... human face for use in anthropometry of the human head ... T. Akimoto and Y. Suenaga,

"3d facial model cre ... and front and side views of face," IEICE Bansactaons ...

Cited by 23 - Related Articles - Web Search

#### Arm gesture transmission for virtual reality telecommunicationsystem

MN Ramliv, R Komiya - Communications, 2000, ICC 2000, 2000 IEEE International .... 2000 - ieeexplore ieee.org

... robotic arm and hand system, coupled with the 3D videophone. ... to imitate other major

parts of the human body - head, ... I], eye and hair color, and face shape and ...

Cited by 2 - Related Articles - Web Search - BL Direct

#### Face detection: A survey - all 10 versions »

E Hjelmas, BK Low - Computer Vision and Image Understanding, 2001 - sandrosufba.hpg.com.br

... Edge features within the head outline are then subjected to ... 60, 70, 76, 108, 201,

222] for face detection ... been applied to detecting glasses in facial images [79 ...

Cited by 418 - Related Articles - Web Search - BL Direct

#### IPDFI Tracking facial features in video sequences using a deformable model-based approach - all 9 versions »

M Malciu, F Preteux - Proceedings of the SPIE, 2000 - visicast.sys.uea.ac.uk

... Keywords; Facial motion capture, MPEG-4 face description, deformable template, 3D

head pose estimation, monocular video sequences, 1, INTRODUCTION ...

Cited by 7 - Related Articles - View as HTML - Web Search

## Omni-face detection for video/image content description - all 5 versions »

G Wei, IK Sethi - Proceedings of the 2000 ACM workshops on Multimedia, 2000 - portal.acm.org

... CC Han, MY.Chen and YT Liu, "Facial feature detection using geometrical face model:

an ... motions for very low bit-rate videophone coding\*, Pattern ...
Cited by 16 - Related Articles - Web Search

#### An architecture for face classification

R Gallery, TIP Trew - Machine Storage and Recognition of Faces, IEE Colloquium on, 1992 - ieeexplore.ieee.org

... which simulated annealing is used to fit a head outline to the face. ... Lighting Effects

It is necessary to apply some preprocessing to the facial image.  $\dots$ 

Cited by 4 - Related Articles - Web Search

## SYSTEM FOR HUMAN FACE DETECTION - all 2 versions »

RJ Qian - EP Patent 1,046,126, 2002 - freepatentsonline.com

... if the orientation of the person's face is away ... the system may fail to identify the

person's  $\mathbf{head}.$  ... within the backgrounds of the image, the  $\mathbf{facial}$  region may ...

Related Articles - Cached - Web Search

#### Supervised object-based temporal filtering for enhancement ofmoving facial images

X Ping, J Robinson - Electrical and Computer Engineering, 1998. IEEE Canadian ..., 1998 - ieeexplore.ieee.org

... computer graphics animation [1][2], videophone compression coding ... is made on original moving facial frames to ... triangles with landmarks in our face model (see ...

Related Articles - Web Search

## Method for robust human face tracking in presence of multiple persons - all 6 versions »

RJ Qian, KE Matthews - EP Patent 0,967,574, 1999 - freepatentsonline.com
... a security system wherein the size of the head and shoulders of a ... A method for robust human face tracking in the presence of multiple facial images includes ...

Cited by 3 - Related Articles - Cached - Web Search

## ICITATION The Role of Vision in Face-to-Face and Mediated Communication

BO'Conaill - Video-Mediated Communication, 1997 - Lawrence Erlbaum Associates Cited by 3 - Related Articles - Web Search

#### A new robust face detection in color images - all 8 versions »

S Srisuk, W Kurulach - Automatic Face and Gesture Recognition, 2002. Proceedings. ..., 2002 - ieeexplore ieee.org ... analysis [6,13,18,12] and facial feature extraction [2 ... This paper presents a fast adjorithm of face region detec. ... Firstly, we will pro-pose a novel method for ... Cited by 29 - Related Articles - Web Search

#### Projection based method for segmentation of human face and its evaluation - all 7 versions »

S Baskan, MM Blutt, V Atalay - Pattern Recognition Letters, 2002 - Elsevier ... Mouth lies in the middle-lower part of the head ... Saber and Tekalp, 1996. E. Saber and M. Tekalp , Face detection and facial feature extraction using ... Clied by 28 - Related Articles - Web Search

#### Skin colour based face detection

SL Phung, D Chai, A Bouzerdoum - Intelligent Information Systems Conference, The Seventh ..., 2001 - ieeexplore ieee.org ... a wide range of variations in the human face patient that are due to factors such as different lighting, face orientation, face size, facial expression and ... Cited by 2 - Related Articles - Web Search

## [PS] Tracking a face in a knowledge-based analysis-synthesis coder - all 3 versions »

L Zhang - International Workshop on Coding Techniques for very low ..., 1995 - Int.uni-hannover.de ... with motion compensation of the head [3] (b ... Ryddis, "CANDIDE, A parameterised face", Internal Report ... R Forchheimer; "Inverview facial movement estimation ... Cited by 4 - Related Articles - View as HTML - Web Search

#### [PDF] A survey of facial modeling and animation techniques - all 6 versions »

J Noh, U Neumann - University of Southern California Technical Report, 1993 - facella.hpg.ig.com.br ...acquires two views of a person's face and identifies ... fluidal points defined on a generic facial model. In the profile and front views, the head is segmented ... Clified by 62 - Related Articles - View as HTML - Web Search

## Integrating active face tracking with model based coding - all 5 versions »

L Yin, A Basu - Pattern Recognition Letters, 1999 - Elsevier

... Motion regularization for model-based head tracking. ... A robust method for realistic

facial model adaptation ... Automatic adaptation of a face model using action ...

Cited by 15 - Related Articles - Web Search

#### Facial modeling from an uncalibrated face image using a coarse-to-fine genetic algorithm - all 2 versions »

SY Ho, HL Huang - Pattern Recognition, 2001 - Elsevier

... deemed necessary for "tting a generic model to an individual's head, ... adjust the 3D control points of a generic facial model to "t the face image accurately ...

Cited by 18 - Related Articles - Web Search - Bl. Direct

[CITATION] Using Recorded Motion for Facial Animation

T Kobayashi - 1997 - The University of British Columbia Related Articles - Web Search

## As plain as the noise on your face: Adaptive video compression using face detection and visual ... - all 2 versions »

S Daly, K Matthews, J Ribas-Corbera - Journal of Electronic Imaging, 2001 - link.aip.org

... in the image frame and that the head will be ... is demonstrated in how poorly the face

is rendered ... numerous artifacts are visible in the facial region, including ... Cited by 9 - Related Articles - Web Search - BL Direct

## IPDFI Extraction and Coding of Face Model Parameters - all 10 versions »

J Ahlberg - Proceedings of the International Workshop on Coding .... 1997 - bk.isv.liu.se

... in mind has been a real-time videophone system running ... is the tracking of faces and facial features through ... Also, the synthesis of face images on the decoder ...

Cited by 13 - Related Articles - View as HTML - Web Search

# Face detection and tracking for video coding applications - all 3 versions »

B Menser, M Brunig - Signals, Systems and Computers, 2000, Conference Record of ..., 2000 - jeeexplore, jeee.org ... 8]. In contrast to other face segmentation algorithms that assume head and shoulder ...

Frontal-view face detection and facial feature extraction using ...

Cited by 9 - Related Articles - Web Search - BL Direct

## Display/monitor with orientation dependent rotatable image - all 7 versions »

PA Alioshin, DB Corbin - US Patent 5 986 634, 1999 - freepatentsonline com

... the display screen is rotated to face outward ... in a television system, computer system,

video phone or internet ... underneath a cabinet in a fold-down orientation. ...

Cited by 11 - Related Articles - Cached - Web Search

#### Contour extraction and matching for image sequence coding

PJL van Beek, B Sankur, JCA van der Lubbe - Image Processing and its Applications, 1992... International ..., 1992 - jeeexplore jeee.org ... described for the extraction of the head-and-shoulder ... 3] Badique, E., "Knowledgebased facial area recognition ... Lishman. "Automatic extraction of face-features ...

Cited by 1 - Related Articles - Web Search

http://scholar.google.com/scholar/ns q=9/28fnce+OR+facial+OR+bend9/23+9/28rid\_...Ass sunfacts=8as publication=8as ylo=8as yti=20028as alluni=allahl=makir=19 of 14)6/25/08 12:59-52 PM

#### Human Face Image Processing Techniques

H Yan - International Journal of Image and Graphics, 2001 - worldscinet.com

 $\dots$  Once the head boundary is determined, the facial features can be located based

on their edge information and the face symmetry (Fig. 4). ...

Cited by 2 - Related Articles - Web Search

#### Method and apparatus for aligning and comparing images of the face and body from different imagers - all 11 versions »

FJ Prokoski - US Patent 6,496,594, 2002 - freepatentsonline.com ... in affected areas of the face, particularly the lips ... Encoding of facial expressions

and facial movements during ... in the transmission of "talking head" video for ...

Cited by 6 - Related Articles - Cached - Web Search

## Low bit rate audio-visual communication having improved face and lip region detection - all 3 versions »

Y Zhou - US Patent 5,596,362, 1997 - freepatentsonline.com

 $\dots$  of a videotelephone application, the speaker's  ${\bf face}$  should be  $\dots$  the remainder of the

speaker's facial region ... video frame, typically comprised of head-and-shoulder ...

Cited by 9 - Related Articles - Cached - Web Search

#### [CITATION] Definition of VRTS

R Komiya - Virtual Reality Technologies for Future Telecommunications ..., 2002 - Wiley

Related Articles - Web Search

# Region-of-Interest Video Coding Based on Face Detection - all 3 versions »

JW Chen, MJ Chen, MC Chi - Proceedings of the Third IEEE Pacific Rim Conference on ..., 2002 - Springer

... 6. D. Chai and KN Ngan, "Locating facial region of a head-and-shoulders color image", Proc. ... Automatic Face and Gesture Recognition, pp. ...

image , Proc. ... Automatic Pace and Gesture Recognition, pp. . Cited by 1 - Related Articles - Web Search - BL Direct

## Facial feature model fitting in semantic-based scene analysis - all 3 versions »

PM Antoszczyszyn, JM Hannah, PM Grant - Electronics Letters, 1997 - ieeexplore.ieee.org ... reconstruction of the motion in a videophone scene. ... of the reconstruction of the

... reconstruction of the motion in a videophione scene. ... of the reconstruction of the

facial expression was ... by creating short movies with the face fitted manually ...

Cited by 6 - Related Articles - Web Search - BL Direct

#### Color face segmentation using a fuzzy min-max neural network.

J Wachs, H Stern, M Last - International Journal of Image and Graphics, 2002 - worldscinet.com

... high performance for non fixed head sizes (including ... are more likely to belong to

the facial regions and ... Face training images were normalized with respect to ... Cited by 3 - Related Articles - Web Search

# Facial image processing - all 4 versions »

A Smith, H Sako, A Sutherland, M Abe - US Patent 5,870,138, 1999 - freepatentsonline.com

... the monitor 20 or to a remote system via the videophone interface 70 of an image representing a substitute face which has the same facial expressions as ...

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#### Facial modeling from an uncalibrated face image using flexiblegeneric parameterized facial models - all 2 versions »

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